

PIONEER® As FILTER CARTRIDGE

Thank you for choosing PIONEER®

SPECIFICATIONS AND PERFORMANCE DATA SHEET

ONE E3-M Name and Part Number	Size	Rated Capacity and Flow Rate	Arsenic Reduction %	Pressure Drop Spec
ONE E3-M System and PIONEER® As Filter				
ONE E3-M System CTA0840HBBKP0-06L00	8" x 40"	Arsenic Reduction 125,000 Gallons @ 7 GPM 473,177 Liters @ 26 lpm	As III: pH 6.5 = 98.3% As III: pH 8.5 = 96.6% As V: pH 6.5 = 99.1% As V: pH 8.5 = 99.0%	10 psi @ 7 GPM (26.5 lpm)

PIONEER® As—Arsenic III and V Removal Cartridge // PART NUMBER: CT-5020-0640RD-F11

The model number of the system in which the filter component is to be used in is CTA0840HBBKP0-06L00.



IMPORTANT

DO NOT USE extra lubricants, unapproved sealants and/or tools to tighten hand-tighten only parts. Use of tools other than hand-tighten only parts voids warranty. Testing was performed under standard laboratory conditions; actual performance may vary. Flush the system and change the filter as suggested. The contaminants or other substances removed or reduced by this water filter are not necessarily in all users' water.

PERFORMANCE

Performance claims are based on independent lab results and manufacturer's internal test data. Actual performance is dependent on influent water quality, flow rates, system design and applications. Your results may vary. Performance claims are based on a complete system, including a filter, housing, and connection to a pressurized water source. This filter must be operated according to the system's specifications in order to deliver the claimed performance. It is essential to follow operational, maintenance, and filter replacement requirements, as directed for each application, for this filter and system to perform correctly. Read the Manufacturer's Performance Data Sheet accompanying the system and change the filter as suggested. The contaminants or other substances removed or reduced by this water filter are not necessarily in all users' water.

WARRANTY

LIMITED LIABILITY: ENPRESS LLC makes no warranties of any kind, expressed or implied, statutory or otherwise, and expressly disclaims all warranties of every kind concerning the product, including, without limitation, warranties of merchantability and fitness for a particular purpose, except that this product should be capable of performing as described in this product's data sheet. ENPRESS LLC's obligation shall be limited solely to the refund of the purchase price or replacement of the product proven defective, in ENPRESS LLC's sole discretion. Determination of suitability of this product for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. Use of this product constitutes Buyer's acceptance of this Limited Liability.

NOTES:

- Water conditions outside of the above specified limits may lead to a shortened filtration life. Potential void of warranty if "optimum working conditions" and use of proper pre-filtration are not adhered to.
- Cartridges may contain a very small amount of fines. After installation, flush the cartridges to drain for at least 60 minutes at 7 gpm prior to use.**
- Micron ratings based on 85% or greater removal of a given particle size. Flush new cartridges until water runs clear prior to use.
- Cartridge life is based on gallon usage and water profile. It will vary by individual site based on water quality and usage.
- Information is believed to be reliable and is offered in good faith with no warranties or implied warranty or fitness for a particular use. Customer is responsible for ensuring compliance with applicable laws and regulations and determining whether use conditions and information in this document are appropriate for specific applications.

Water with pH > 8 requires pH adjustment for best performance. Particularly for increased levels of silica and phosphate, ATOMUS® F11 arsenic removal media will often provide the most economical treatment when compared to other adsorptive arsenic removal medias.

USEPA TCLP tested as non-hazardous waste safe for landfill, but due to variances in influent water quality, users are urged to perform independent verification of the non-hazardous character of spent media cartridges. Additionally, some states may have disposal criteria different from federal guidelines (TCLP). Notice: Information is believed to be reliable and is offered in good faith with no warranties or implied warranties or fitness for a particular use. Customer is responsible for determining whether use conditions and information in this document are appropriate for specific applications and for ensuring compliance with applicable laws and regulations.

Conforms to NSF/ANSI 53 for pentavalent arsenic reduction. See performance data sheet and arsenic facts section for an explanation of reduction performance. This system has been tested for the treatment of water containing pentavalent arsenic (also known as As(V), As(+5), or arsenate) at concentrations of 0.050 mg/L or less. This system reduces pentavalent arsenic, but may not reduce other forms of arsenic. This system is to be used on water supplies containing a detectable free chlorine residual or on water supplies that have been demonstrated to contain only pentavalent arsenic. Treatment with chloramine (combined chlorine) is not sufficient to ensure complete conversion of trivalent arsenic to pentavalent arsenic. Please see the Arsenic Facts section of the Performance Data Sheet for further information.

This system has been tested for the treatment of water containing pentavalent and trivalent arsenic at concentrations of 0.050 mg/L or less. This system reduces both pentavalent arsenic (also known as As(V), As(+5), or arsenate) and trivalent arsenic (also known as As(III), As(+3), or arsenite) below EPA MCL. Please see the Arsenic Facts section of the Performance Data Sheet for further information. Minimum substance reductions are as follows:

Substance	Influent Challenge Concentration (mg/L)	Maximum Permissible Product Water Concentration (mg/L)
Arsenic (pentavalent)	0.050 ± 10%	0.01
Arsenic (trivalent)	0.050 ± 10%	0.01

Minimum Operating Temperature: 34 °F / 1 °C
Maximum Operating Temperature: 120 °F / 50 °C
Minimum Operating Pressure: 20 psig / 1.38 bar
Maximum Operating Pressure: 125 psig / 8.6 bar
Electrical Requirements: Grounded and unswitched 115 V outlet and 3 AAA batteries

Filter Replacement Operating Instructions: **New cartridges must be flushed to drain for a minimum of 60 minutes at 7 gpm prior to use.** System and installation to comply with federal, state, and local laws and regulations. **Do not** use with water that is microbiologically unsafe or unknown quality without adequate disinfection before or after the system. Manufactured from NSF/ANSI standard 61 and California Prop 65 Compliant raw materials.

CERTIFICATIONS



The ENPRESS ATOMUS® F11 media inside this system is certified to NSF/ANSI 61 for Material Safety and NSF/ANSI 372 for Low Lead Content.

System installation and cartridge disposal to comply with federal, state, and local laws and regulations.

USEPA TCLP and WET Approved: Engineered and proven to provide maximum removal capacity and improved stability against pH upset to prevent possible desorption of bound contaminants both during operation and in landfill conditions. This ensures successful evaluation against USEPA TCLP and California WET Tests with our unparalleled, non-leachable bond.

For more information, visit enpress.com or onefiltration.com

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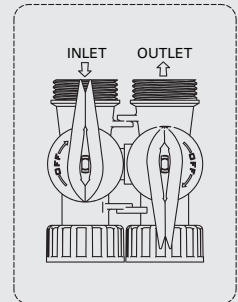
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REPLACING THE CARTRIDGE

1. Turn off the water supply to the system by shutting off the inlet and outlet valves on the bypass.
2. *(Optional)* Install a 3/8" PEX tubing hose to the provided fitting and shut-off that connects to the inlet side of the filtration system. Run the hose to a floor drain or bucket and use to drain sediment or to aid in filter removal during change-out.
3. Remove umbrella cap on the top of the vessel. Replace the 3 AAA batteries with new batteries. Push and hold the reset button on the metered board for 3 seconds to reset the totalizer. When the totalizer is reset, the LED lights will flash green 3 times to confirm that it is reset.
4. Depressurize the system by pushing down on the red depressurization button on the top cap of the system. Keep the button pushed down until all the air or water pressure is completely released.
5. Push down the top cap with both hands to unseat the retaining ring.
6. Remove the retaining ring by carefully grasping the handle and pulling inward, then upward. The retaining ring should slide completely out of the groove.
7. Remove the top cap of the system by lifting up on the top handles and remove the old filter. *(NOTE that filter adapter (yellow/white in color) may come loose from bottom connection when removing filter, and should be reinstalled into the bottom connection for proper installation of filter.)*
8. Open the fitting and shut-off and then flush out the bottom of the system.
9. Look down into the tank assembly and locate the small opening centered in the bottom of the tank.
10. Remove packaging from the new filter and place the new cartridge into the tank with the double O-ring facing down.
11. Position the cartridge so that it is aligned with the bottom center opening.
12. Press down on the cartridge so that the double O-ring seal moves into place within the bottom center opening.
13. Reposition the top cap into its original location.
14. Reattach the top tank snap ring, then pull up on the top cap to seat O-rings.
15. *(If Step 2 was completed, do this step; if not, skip to 16.)* Close the fitting and shut-off.
16. Turn the water supply on and open the inlet and outlet valves on the bypass.
17. Relieve the system of air in the tank as the system fills with water by pushing down on the red depressurization button on the top cap of the system. Keep the button pushed down until all the air pressure is completely released and water comes out of the red depressurization button.
18. Release the red depressurization button.
19. Return the umbrella cap to the top of the system.
20. Check for leaks.
21. Flush the new cartridge per installation instructions to drain.
22. During flush, confirm green LED lights are flashing with flowing water. If lights are not flashing green, go back to step 3.

UMBRELLA CAP AND LED LIGHTS



EASY TO UNDERSTAND LED REPLACEMENT NOTIFICATIONS

The Real-time Dynamic LED System monitors water and flow rate and provides a visual color-coded notification to the homeowner, letting them know when to replace their filter.



EASY FILTER REPLACEMENTS WITH NO TOOLS REQUIRED

E3-M uses state-of-the-art snap ring technology to eliminate the need for cumbersome tools. Homeowners can easily replace the filter in their E3-M system by following a few simple steps.

NOTES

- Meter preset at 100,000 gallons; see Installation Manual for resetting when the cartridge is replaced.
- Three AAA batteries not included for battery back-up. Change annually with filter change-out.
- Refer to Installation Manual for proper installation and product service guidelines.

1. PRESS THE RED PRESSURE RELIEF VALVE TO UNSEAT THE RING



2. REMOVE SNAP RING



3. LIFT TOP CAP

